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**(54) PROTECTING
MACHINE FOR AIR-
CONDITIONER**

(57) Abstract:

PROBLEM TO BE SOLVED: To protect parts, such as semiconductor elements, situated at an outdoor from an abnormal voltage.

SOLUTION: A protection device 140 is formed such that, when abnormality of a source voltage is

detected by an abnormality voltage detecting circuit 136, a switching element 134 is actuated by a protection operation part 144, and a feed of a power to a drive circuit 152 from a rectification substrate 94 is cut off. Even when a power of an abnormal voltage flows to the rectification substrate 94 through a posistor 132, outputting of a voltage corresponding to the abnormal voltage is reliably prevented. This constitution reliably protects a switching source 104 for controlling an inverter to form a drive circuit and reliably protects the semiconductor part of an inverter circuit 106.

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